## PATENT COOPERATION TREATY

# PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
3474.1018003			4
International application No.	International filing date (day/mont	(Earliest) Priority Date (day/month)	year)
PCT/US2004/034548	19/10/2004	21/10/2003	*
Applicant			-
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SENTION, INC.	•	· :	·
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Sea ansmitted to the International Burea	ching Authority and is transmitted to the applica	.nt : : : : : : : : : : : : : : : : : : :
This International Search Report consists	of a total ofsh	ets.	
	a copy of each prior art document of	ted in this report.	
1. Basis of the report			
a. With regard to the language, the	international search was carried out ess otherwise indicated under this it	on the basis of the international application in them.	е
The international this Authority (Ru		of a translation of the international application fu	rnished to
b. With regard to any nuclea	otide and/or amino acid sequence	disclosed in the international application, see Bo	ox No. I.
2. X Certain claims were fou	nd unsearchable (See Box II).		
3. X Unity of invention is lac	king (see Box III).		
4 Mith regard to the title			
4. With regard to the <b>title,</b> X the text is approved as su	hmitted by the applicant	•	
<b>L</b>	hed by this Authority to read as follo	NC.	
the text has been establis	inca by this hatherity to road as rolle		
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5. With regard to the abstract,		· · · · · · · · · · · · · · · · · · ·	
the text is approved as su	bmitted by the applicant.		
		is Authority as it appears in Box No. IV. The app	
may, within one month fro	om the date of mailing of this interna	onal search report, submit comments to this Aut	hority.
• •		•	
6. With regard to the drawings,			
a. the figure of the <b>drawings</b> to be p	bublished with the abstract is Figure	No	·
X as suggested by	the applicant.	• •	
as selected by thi	s Authority, because the applicant f	iled to suggest a figure.	
as selected by thi	s Authority, because this figure bett	r characterizes the invention.	:
b. none of the figures is to be	e published with the abstract.	·	• • :

International application No. PCT/US2004/034548

### INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims w	vere found unsearchable (Continuation of Item 2 of first sneet)
This International Search Report has not been established	shed in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required.	quired to be searched by this Authority, namely:
Although claims 25-50 are human/animal body, the sea effects of the compound/co	directed to a method of treatment of the arch has been carried out and based on the alleged emposition.
2. Claims Nos.: because they relate to parts of the International Seconds an extent that no meaningful International Seconds.	nal Application that do not comply with the prescribed requirements to such earch can be carried out, specifically:
3. Claims Nos.:	
because they are dependent claims and are	not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention	on is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple i	inventions in this international application, as follows:
see additional sheet	
1. As all required additional search fees were ti searchable claims.	imely paid by the applicant, this International Search Report covers all
2. As all searchable claims could be searched of any additional fee.	without effort justifying an additional fee, this Authority did not invite payment
3. As only some of the required additional search covers only those claims for which fees were	ch fees were timely paid by the applicant, this International Search Report e paid, specifically claims Nos.:
	ely paid by the applicant. Consequently, this International Search Report is the claims; it is covered by claims Nos.:
see annex	
Remark on Protest	The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.
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#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-53 (in part)

Aminoethylphenyl carbamic acid esters (1st compound in claims 9-11)

2. claims: 1-10,12-53 (in part)

Phenylammonium carbamic acid esters (2nd compound in claim 9, 3rd compound in claim 10)

3. claims: 1-53 (in part)

Pyrroloindolyl carbamic acid esters (3rd compound in claim 9, 2nd compound in claims 10 and 11)

4. claims: 1-10,12-53 (in part)

N-oxo-pyrroloindolyl carbamic acid esters (4th compound in claims 9 and 10)

5. claims: 1-53 (in part)

Hexahydrooxazinoindolyl carbamamic acid esters (5th compound in claims 9 and 10, 3rd compound in claim 11)

6. claims: 1-53 (in part)

Tetrahydrofuroindolyl carbamamic acid esters (6th compound in claims 9 and 10, 4th compound in claim 11)

7. claims: 1-10,12-53 (in part)

pyridinyl carbamamic acid esters (last compound in claims 9 and 10)

International Application No PCT/US2004/034548

CLASSIFICATION OF SUBJECT MATTER PC 7 C07C271/40 C07D519/00

A61K31/407

CO7D213/64 A61P25/00 A61K31/5365

A61K31/27

Relevant to claim No.

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Category °

Minimum documentation searched (classification system followed by classification symbols)

C07D A61K IPC 7

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, BEILSTEIN Data

Citation of document, with indication, where appropriate, of the relevant passages

X	WO 96/02524 A (MEDIOLANUM FARMA S.P.A; TERNI, PATRIZIA; MAIRANI MANDEL) 1 February 1996 (1996-0 claims; examples	I, LUCIA;	1-10, 12-53		
X	DE 38 05 744 A1 (SANDOZ-PATENT- LOERRACH, DE; NOVARTIS AG, BASI 15 September 1988 (1988-09-15) claims		1-53		
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X Furth	her documents are listed in the continuation of box C.	X Patent family members a	are listed in annex.		
"A" docume consid "E" earlier d filing d "L" docume which i	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another	cited to understand the princinvention  "X" document of particular relevation cannot be considered novel involve an inventive step when "Y" document of particular relevations."	nflict with the application but ciple or theory underlying the nce; the claimed invention or cannot be considered to en the document is taken alone nce; the claimed invention		
citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed		cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family			
	actual completion of the international search  1 June 2005	Date of mailing of the interna		٠	

Authorized officer

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### INTERNA NAL SEARCH REPORT

International Application No
PCT/US2004/034548

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	DATABASE CA [Online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; KOYAMA, KAZUO ET AL: "Pharmaceuticals containing (hydroxybenzyl)amines as acetylcholine esterase inhibitors and selective serotonin reuptake inhibitors" XP002331878 retrieved from STN Database accession no. 2004:291183 abstract & JP 2004 107322 A2 (BTG INTERNATIONAL LTD., UK) 8 April 2004 (2004-04-08)	1-10, 12-53
X	DATABASE CA [Online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; GOTO, GIICHI ET AL: "Preparation of aromatic carbamates as choline esterase inhibitors for improvement of cerebral function" XP002331879 retrieved from STN Database accession no. 1991:206818 abstract & JP 03 002155 A2 (TAKEDA CHEMICAL INDUSTRIES, LTD., JAPAN) 8 January 1991 (1991-01-08)	1-10, 12-53
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	ELMALEM E ET AL: "ANTAGONISM OF MORPHINE-INDUCED RESPIRATORY DEPRESSION BY NOVEL ANTICHOLINESTERASE AGENTS" NEUROPHARMACOLOGY, PERGAMON PRESS, OXFORD, GB, vol. 30, no. 10, October 1991 (1991-10), pages 1059-1064, XP001004447 ISSN: 0028-3908 the whole document  -/	1-10, 12-53

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X	AMSTUTZ R ET AL: "CYCLISCHE PHENYL-CARBAMATE DES MIOTIN-TYPS UND IHRE WIRKUNG AUF DIE ACETYLCHOLINESTERASE CYCLIC PHENYL CARBAMATES AND THEIR ACTION ON ACETYLCHOLINESTERASE" HELVETICA CHIMICA ACTA, VERLAG HELVETICA CHIMICA ACTA. BASEL, CH, vol. 73, no. 3, 1990, pages 739-753, XP009047338 ISSN: 0018-019X compounds 2,7	1-53
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Information on patent family members

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